

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-48. canceled

49. (Currently Amended) A link generation process ~~executed~~ performed by a computer system, said process comprising including:

accessing data files of a network site including a server configured to send network site content to remote clients in response to received requests from said clients, said content including static content and dynamically generated content which is generated in response to receipt of requests, at least some of said requests including parameters that determine said dynamically generated content;

~~processing analyzing said accessed data files of a network site to identify valid parameters for generating said dynamically generated content of said network site; and~~

generating, based on said analyzing, data representing encoded links for accessing said dynamically generated content, ~~said encoded links including said parameters and being in a form suitable for an indexing agent to allow indexing of said dynamically generated content; and~~

sending said generated data to a remote client or storing said generated data in a data storage device.

50. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said generating includes generating a table of contents for content of said network site, said table of contents including said encoded links.

51. (Currently Amended) ~~A~~ The process as claimed in claim 50, wherein said table of contents fully connects said includes links to static content of said network Site site.

52. (Currently Amended) ~~A~~ The process as claimed in claim 50, wherein said table of contents includes one or more pages[[.]], at least one of said pages including one or more links to content of said network site.

53. (Currently Amended) ~~A~~ The process as claimed in claim 50, wherein said table of contents includes a plurality of pages, each of said pages including one or more links to respective others of said pages, at least one of said pages including one or more links to content of said network site.

54. (Currently Amended) ~~A~~ The process as claimed in claim 53, wherein links in said table of contents pages are arranged as a hierarchy corresponding to content of said network site.

55. (Currently Amended) ~~A~~ The process as claimed in claim 50, including generating a link to a table of contents page for a script for dynamically generating content on the basis of supplied parameters,

wherein said table of contents page for said script includes a plurality of encoded links corresponding to respective parameters for said script.

56. (Currently Amended) ~~A~~ The process as claimed in claim 55, wherein the table of contents page for said script includes a plurality of encoded links corresponding to respective combinations of parameters and parameter values for said script.

57. (Currently Amended) ~~A~~ The process as claimed in claim 55, wherein the table of contents page for said script includes at least one link to a further table of contents page including links corresponding to respective parameters or parameter values for said script and including at least one common parameter or parameter value.

58. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said data files include at least one of web server configuration files, scripts, and database tables.

59. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said ~~processing analyzing~~ includes ~~processing analyzing~~ scripts of said network site to identify valid database query parameters on the basis of structured query language statements of said scripts.

60. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said ~~processing analyzing~~ includes ~~processing analyzing~~ said data files to identify valid combinations of database query parameters and values for generating said dynamically generated content.

61. (Currently Amended) ~~A~~ The process as claimed in claim 60, wherein said ~~processing analyzing~~ includes ~~processing analyzing~~ database tables associated with said network site to identify said valid combinations of database query parameters and values.

62. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said encoded links are encoded as links to static content.

63. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein each of said encoded links includes a suffix that indicates a type of dynamically generated content for the link.

64. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said encoded links include at least one link having a prefix identifying the link as a link to a table of contents page[[.]] and at least one link having a prefix identifying the link as a link to content of said network site.

65. (Currently Amended) ~~A~~ The process as claimed in claim 49, including:
receiving a request for content of said network site from a remote agent; determining whether said remote agent is an indexing agent;
sending a table of contents page to said remote agent if said remote agent is an indexing agent; and
sending the requested content to said remote agent if said remote agent is not an indexing agent.

66. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said encoded links are also URI-encoded.

67. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein:
said ~~processing analyzing~~ includes ~~processing analyzing~~ said data files to identify all servable static content of said network site and all servable dynamically generated content of said network site; and ~~wherein~~

said generating includes generating links to said servable static content and said servable dynamically generated content to provide a table of contents for all servable content of said network site.

68. (Currently Amended) ~~A~~ The process as claimed in claim 49, including ~~processing~~ analyzing scripts of said network site to determine request data for retrieving said dynamically generated data, wherein said encoded links are generated on the basis of said request data and said parameters.

69. (Currently Amended) ~~A~~ The process as claimed in claim 68, wherein said step of ~~processing~~ analyzing scripts includes ~~processing~~ analyzing said scripts to determine access data for accessing a database of said network site to generate said dynamically generated content.

70. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said steps of ~~processing~~ analyzing and generating are executed by said computer system at periodic intervals.

71. (Currently Amended) ~~A~~ The process as claimed in claim 49, wherein said steps of ~~processing~~ analyzing and generating are executed in response to receiving a request for content of said network site.

72. (Currently Amended) ~~A~~ The process as claimed in claim 49, including:
receiving a request generated in response to selecting one of said encoded links,
translating said request, and
forwarding the translated request to said network site to access corresponding dynamically generated content of said network site.

73. (Currently Amended) ~~A~~ The process as claimed in claim 72, wherein said translated request is an HTTP GET request.

74. (Currently Amended) ~~A~~ The process as claimed in claim 72, wherein said translated request is an HTTP POST request.

75. (Currently Amended) ~~A~~ The process as claimed in claim 49, including sending said encoded links to a remote indexing agent to allow said dynamically generated data to be indexed.

76. (Currently Amended) ~~A~~ The process as claimed in claim 49, including sending said encoded links to a remote system using one of HTTP PUT, HTTP POST, FTP, and SMTP.

77. (Currently Amended) ~~A~~ The process as claimed in claim 53, wherein all servable data of said network site can be accessed via selection of any one of the links to said pages.

78. (Currently Amended) ~~A~~ The process as claimed in claim ~~49~~ 50, wherein said table of contents is generated in one of HTML, XML, HCL, and sitelist.txt formats.

79. (Currently Amended) A link generation process ~~executed~~ performed by a computer system, said process including:

analyzing one or more data files of a network site including a server configured to send network site content to remote clients in response to received requests from said clients, said content including static content and dynamically generated content which is generated in response to receipt of requests, at least some of said requests including parameters that determine said dynamically generated content;

generating, based on said analyzing, data representing at least one encoded link for retrieving dynamic content data of a hierarchical data set in response to selecting said at least one encoded link,

said at least one encoded link including one or more parameters for generating said dynamic content data and being in a form suitable for an indexing agent to allow indexing of said dynamic content data; and

sending said generated data to a remote client or storing said generated data in a data storage device.

80. (Currently Amended) ~~A~~ The link generation process as claimed in claim 79, including generating a list of links to content data of at least one node of said hierarchical data set, said links including said at least one encoded link.

81. (Currently Amended) ~~A~~ The link generation process as claimed in claim 80, wherein said generating includes generating links to all available data of said hierarchical data set.

82. (Currently Amended) ~~A~~ The link generation process as claimed in claim 80, wherein said links include one or more direct links to content data of said hierarchical data set.

83. (Currently Amended) ~~A~~ The link generation process as claimed in claim 80, wherein said links include one or more indirect links to content data of said hierarchical data set.

84. (Currently Amended) ~~A~~ The link generation process as claimed in claim 80, wherein said links include at least one of a direct and an indirect link to content data of said node.

85. (Currently Amended) ~~A~~ The link generation process as claimed in claim 80, wherein said list of links corresponds to a node of said hierarchical data set.

86. (Currently Amended) ~~A link~~ The link generation process as claimed in claim 80, wherein said hierarchical data set includes at least one web site.

87. (Currently Amended) ~~A~~ The link generation process as claimed in claim 79, wherein said at least one encoded link includes at least one encoded POST query.

88. (Currently Amended) ~~A~~ The link generation process as claimed in claim 79, wherein said at least one encoded link includes at least one encoded GET query.

89. (Currently Amended) A computerized link generation process, said process including:

accessing data files of a network site including a server configured to send network site content to remote clients in response to received requests from said clients, said content including static content and dynamically generated content which is generated in response to receipt of requests, at least some of said requests including parameters that determine said dynamically generated content;

generating data representing encoded links for dynamic content of a network site, each of said encoded links including one or more parameters for use in generating said dynamic content and being in a form suitable for an indexing agent to allow indexing of said dynamic content;

receiving requests from an indexing agent for content of said site; and

responding to said requests ~~with~~ by outputting said encoded links and said dynamic content corresponding thereto for indexing.

90. (Currently Amended) ~~A~~ The process as claimed in claim 89, wherein said links are generated as one or more of hyperlinks, XML elements, and text.

91. (Currently Amended) A link generation system having programmed computer components for executing the steps of claim 49.

92. (Currently Amended) A link generation system having components for executing the steps of claim 79.

93. (Currently Amended) A link generation system having programmed computer components for executing the steps of claim 91.

94. (Previously Presented) A computer readable storage medium having stored thereon program code for executing the steps of claim 49.

95. (Previously Presented) A computer readable storage medium having stored thereon program code for executing the steps of claim 79.

96. (Previously Presented) A computer readable storage medium having stored thereon program code for executing the steps of claim 89.

97. (Currently Amended) A computerized link generation system, including at least one programmed computer executing program code, said system comprising:

a data access module for accessing data files of a network site including a server configured to send network site content to remote clients in response to received requests from said clients, said content including static content and dynamically generated content which is generated in response to receipt of requests, at least some of said requests including parameters that determine said dynamically generated content;

a content discovery module ~~for processing analyzing the accessed~~ data files ~~of a network site~~ to identify servable data and parameters for generating dynamically generated content of said servable data; ~~and~~

a link generator ~~for~~ generating data representing links to said servable data to allow said servable content to be accessed using said links, said links including encoded links for accessing

said dynamically generated content, said encoded links including said parameters and being in a form suitable for an indexing agent to allow indexing of said dynamically generated content; and a data store or output port receiving said generated data.

98. (Currently Amended) ~~A~~ The link generation system as claimed in claim 97 wherein said link generator is adapted to ~~process~~ analyze a database of said network site to determine said parameters.

99. (Currently Amended) ~~A~~ The link generation system as claimed in claim 97 including a proxy server ~~for~~ receiving a request generated in response to selecting one of said encoded links, translating said request, and forwarding the translated request to said network site to access corresponding dynamically generated data of said network site.

100. (Currently Amended) A computerized link generation system, including at least one programmed computer executing program code, said system comprising:

one or more data access modules for accessing data files of a network site including a server configured to send network site content to remote clients in response to received requests from said clients, said content including static content and dynamically generated content which is generated in response to receipt of requests, at least some of said requests including parameters that determine said dynamically generated content, and wherein said dynamically generated content is not linked to by other content of said network site;

one or more content discovery modules for ~~processing~~ analyzing data files of respective network servers to identify servable data and parameters for generating dynamically generated content of said servable data; ~~and~~

a link generator for generating data representing links to said servable data to allow said servable content to be accessed using said links, said links including encoded links for accessing said dynamically generated content, said encoded links including said parameters and being in a form suitable for an indexing agent to allow indexing of said dynamically generated content; and a data output for receiving said generated data.

101. (New) The process of claim 49 wherein said encoded links are in a standard form suitable for an arbitrary indexing agent.

102. (New) The process of claim 79 wherein said encoded links are in a standard form suitable for an arbitrary indexing agent.

103. (New) The process of claim 89 wherein said encoded links are in a standard form suitable for an arbitrary indexing agent.

104. (New) The system of claim 97 wherein said embedded links are in a standard form suitable for an arbitrary indexing agent.

105. (New) The system of claim 100 wherein said embedded links are in a standard form suitable for an arbitrary indexing agent.

106. (New) The process of claim 49 wherein said dynamically generated content is not linked to by other content of said network site.

107. (New) The process of claim 79 wherein said dynamically generated content is not linked to by other content of said network site.

108. (New) The process of claim 89 wherein said dynamically generated content is not linked to by other content of said network site.

109. (New) The process of claim 97 wherein said dynamically generated content is not linked to by other content of said network site.

110. (New) The process of claim 100 wherein said dynamically generated content is not linked to by other content of said network site.